APRIL/MAY 2023

CECA54A/CECS54A/CSC53 — DATA MINING

Time : Three hours
Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

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1. What are the kinds of patterns?

2. Define: “Data Integration”.

3. List out the functions of OLAP.

4. What is oriented induction?

5. Mention the basic concepts of patterns.

6. What do you mean by multidimensional space?

7. Write down the evaluation of clustering.

8. Define: “Spatial Mining”.

9. What are methodologies of data mining?

10. Give the purpose of Weka data mining tool.

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Summarize the technologies used for data mining.

Or

(b) Elaborate the purpose of data reduction.

12. (a) Describe the basic concepts of data warehouse.

Or

(b) What are the advantages of data cube technology? Explain.

13. (a) Explain the methods of pattern evaluation.

Or

(b) Write down the constraint based frequent pattern mining.

14. (a) Describe the density based methods in cluster analysis.

Or

(b) What are outliers and outlier's analysis? Explain.

15. (a) Show the applications of Data Mining.

Or

(b) Explain the purpose of Knime data mining tool.

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SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Compare the data transformation and data discretization.

17. Illustrate the methods of data cube computation.

18. Discuss the mining high dimensional data and colossal patterns.

19. Explain outline the clustering—based approaches of outlier.

20. What are the SQL Server Data Tools? Explain.